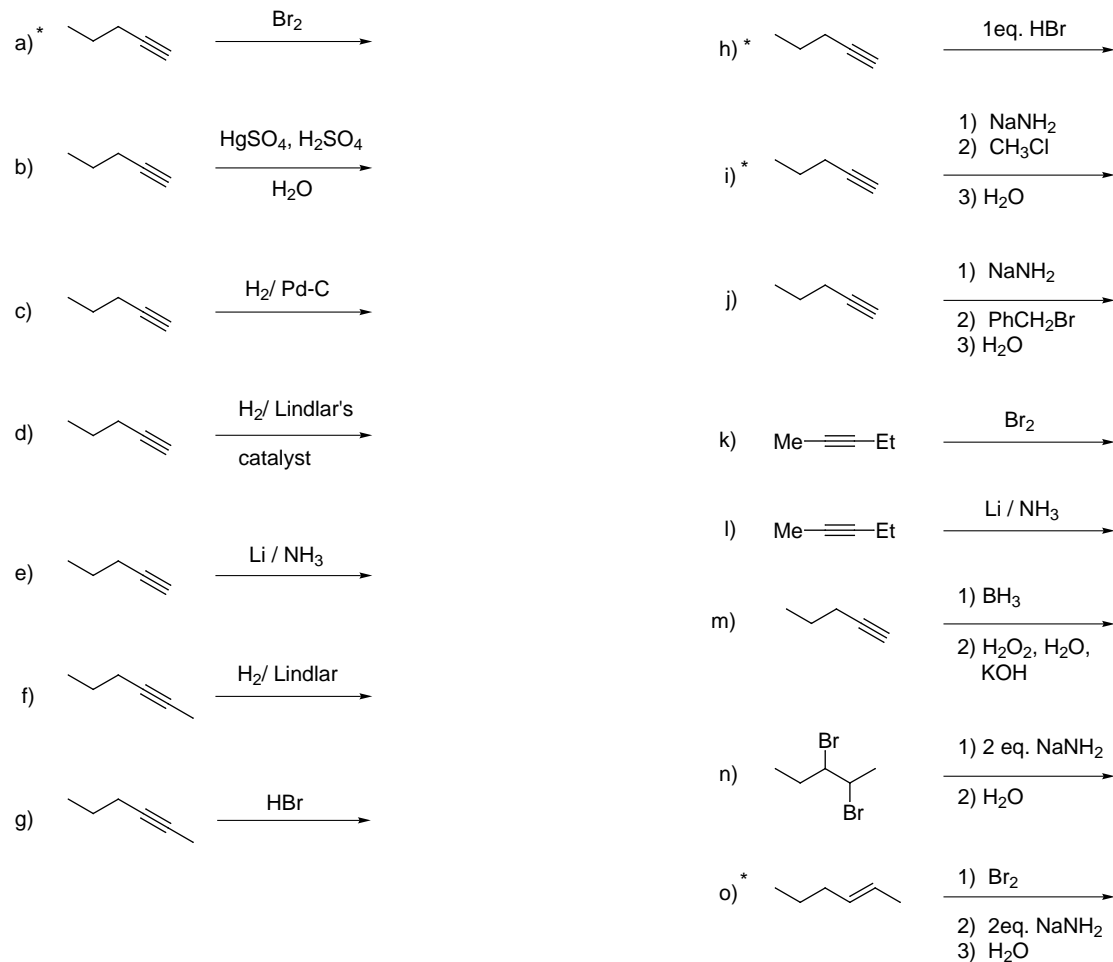


1. Provide the products for the following reactions. Provide the mechanisms for the reactions that are starred.



2. Provide synthesis for the following molecules from the given starting materials. Work backwards first! Do the retrosynthetic analysis, do the forward steps.

